

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: William S. Somers, et al.

Serial No.: 10/090,879

Filed: March 4, 2002



For: *Crystal Structure of E. Coli GDP-Fucose Synthetase* (and Complexes Thereof) and Methods of Identifying Agonists and Antagonists Using Same

Attorney Docket No.: GFN-5321DV

Group Art Unit: 1631

Examiner:

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By:

Lisa M. DiRocco  
Lisa M. DiRocco, Esq.  
Reg. No. P-51,619  
Attorney for Applicants

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:


For the Examiner's convenience in reviewing this divisional application, Applicants submit a consolidated PTO Form 1449, listing all references cited during the prosecution of the parent application. The present application is a Divisional Application of U.S. Serial No. 09/373,432, filed August 13, 1999 (Atty. Docket No. GFN-5321). All references listed on the enclosed PTO Form 1449 have been previously cited by or submitted to the Office in the prior application, and, in accordance with 37 CFR §1.98(d), copies of these references are not enclosed herewith, but will be provided upon request. In addition, copies of references cited in a Partial

European Search Report mailed May 5, 2002, during the prosecution of EP 99941121.8, which corresponds to the above referenced application, have been enclosed. In accordance with 37 CFR §1.97(b)(3), Applicants hereby submit these publications for the Examiner's consideration.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Under 37 C.F.R. § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

  
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Date: July 22, 2002

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For: *Crystal Structure of E. Coli GDP-Fucose Synthetase* (and Complexes  
Thereof) and Methods of Identifying Agonists and Antagonists Using Same  
Inventors: William S. Somers, et al.  
Filed: March 4, 2002  
Our Ref. No.: GFN-5321DV

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form 1449;
3. Copy of a reference cited in PTO Form 1449 (1);
4. A copy of the Partial European Search Report; and
5. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement. However, please charge any other necessary fees due in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

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July 22, 2002

Date

Lisa M. DiRocco, Esq. Registration No. P-51,619

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

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Registration No. P-51,619  
Attorney for Applicants

**GFN-5321DV**

**10/090,879**

APPLICANT

**William S. Somers et**

FILING DATE

**March 4, 2002**

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**LIST OF PUBLICATIONS CITED BY APPLICANT**  
(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

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	A1	5,853,973	12/98	Kakefuda et al.	435	4	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

**OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)**

	A2	Abrahams, J.P. et al., "Methods used in the structure determination of bovine mitochondrial F1 ATPase," <i>Acta Cryst.</i> , D52:30-42 (1996)
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	A8	Breton, R. et al., "The structure of a complex of human 17β-hydroxysteroid dehydrogenase with estradiol and NADP <sup>+</sup> identifies two principal targets for the design of inhibitors," <i>Structure</i> , 4(8):905-15 (1996)
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	A10	Chang, S. et al., "An epimerase-reductase in L-fucose synthesis," <i>J. Biol. Chem.</i> , 263(4):1693-7 (1988)
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	A12	Ensor, C.M. et al., "Bacterial expression and site-directed mutagenesis of two critical residues (tyrosine-151 and lysine-155) of human placental NAD(+) dependent 15-hydroxyprostaglandin dehydrogenase," <i>Biochim. Biophys. Acta</i> , 1208(1):151-6 (1994)
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D10	Thoden, J.B. et al., "High-resolution X-ray structure of UDP-galactose 4-epimerase complexed with UDP-phenol," <i>Protein Sci.</i> , 5(11):2149-61 (1996)
D11	Thoden, J.B. et al., "Crystal structures of the oxidized and reduced forms of UDP-galactose 4-epimerase isolated from Escherichia coli," <i>Biochemistry</i> , 35(8):2557-66 (1996)
D12	Thoden, J.B. et al., "Structural analysis of UDP-sugar binding to UDP-galactose 4-epimerase from Escherichia coli," <i>Biochemistry</i> , 36(21):6294-304 (1997)

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